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Morbidity and Mortality Weekly Report

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Prepared by the COMMUNICABLE DISEASE CENTER MElrose 4-5131

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended June 17, 1961

Poliomyelitis – The number of reported poliomyelitis cases for the week ending June 17 continues at an extremely low level compared to corresponding weeks in recent years. Eight cases, five paralytic, were reported this week compared with 37 cases, 30 paralytic, for the corresponding week in 1960, and 84 cases, 61 paralytic, in 1959. This week's cases bring the total in 1961 through June 17 to 202 cases, of which 131 are paralytic.

Hepatitis – The current weekly total of 1,347 is 101 cases above last week's total. The significance of this increase is uncertain although it probably represents expected fluctuations in reporting. The States contributing most to this increase include the West North Central States of Minnesota, Iowa, Missouri, and Kansas plus seven other States geographically scattered. A tabulation of this week's hepatitis cases by age appears on page 8. New Jersey and New York report persistent adult concentration of cases; California, Texas, Indiana, and Washington also show a high proportion of adult hepatitis cases.

EPIDEMIOLOGICAL REPORT

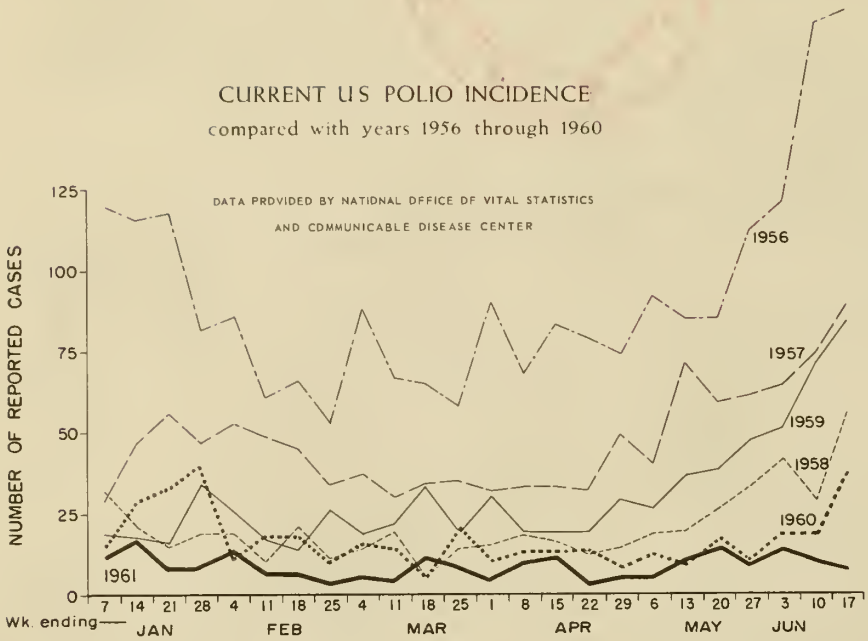
Epidemic Neuromyasthenia – Greenville, Illinois

During the fall and winter, an extensive epidemic of an illness described as unique to the area has been prevalent throughout the community of Greenville. Cases have

Table I. Cases of Specified Notifiable Diseases: United States

(Cumulative totals include revised and delayed reports through previous week)

Disease (Seventh Revision of International Lists, 1955)	24th Week			Cumulative						Approximate seasonal low point
				First 24 weeks			Since seasonal low week			
* Weekly incidence low or sporadic --- Data not available - Quantity zero	Ended June 17, 1961	Ended June 18, 1960	Median 1956-60	1961	1960	Median 1956-60	1960-61	1959-60	Median 1955-56 to 1959-60	
Anthrax----------062	-	-	*	3	10	*	*	*	*	*
Botulism----------049.1	-	-	*	4	3	*	*	*	*	*
Brucellosis (undulant fever)------044	11	11	20	256	395	390	*	*	*	*
Diphtheria----------055	7	8	12	298	321	380	878	856	1,080	July 1
Encephalitis, infectious----------082	26	35	36	685	727	680	685	727	680	Jan. 1
Hepatitis, infectious, and serum----------092,N998.5 pt.	1,347	599	266	40,821	18,461	11,005	56,028	26,079	16,361	Sept. 1
Malaria----------110-117	-	2	*	22	25	*	*	*	*	*
Measles----------085	15,038	13,889	14,469	340,471	351,790	398,064	376,681	384,746	434,733	Sept. 1
Meningitis, aseptic----------340 pt.	36	34	---	643	671	---	643	671	---	Jan. 1
Meningococcal infections----------057	35	38	46	1,137	1,177	1,306	1,793	1,908	2,071	Sept. 1
Poliomyelitis----------080	8	37	84	202	387	732	99	171	439	Apr. 1
Paralytic----------080.0,080.1	5	31	61	131	284	515	71	130	307	Apr. 1
Nonparalytic----------080.2	1	4	19	39	66	143	14	30	95	Apr. 1
Unspecified----------080.3	2	2	4	32	37	74	14	11	37	Apr. 1
Psittacosis----------096.2	3	1	*	34	43	*	*	*	*	*
Rabies in man----------094	-	-	*	2	-	*	*	*	*	*
Streptococcal sore throat, including scarlet fever------050,051	3,940	4,794	---	200,052	187,233	---	297,704	---	---	Aug. 1
Typhoid fever----------040	15	17	22	253	261	352	139	131	172	Apr. 1
Typhus fever, endemic----------101	-	1	*	14	30	*	*	*	*	*
Rabies in animals----------	60	80	79	1,684	1,938	2,314	2,260	2,915	3,096	Oct. 1



The graph shows reported 1961 poliomyelitis (porolytic and nonparolytic) coses in the United Stotes by week of onset and compores current incidence with the yeors 1956 through 1960. A cumulotive totol of 202 coses, 131 porolytic, hove been reported through June 17.

occurred predominantly among young and middle-aged adults; school age children and the elderly have not been affected in any significant degree. The number ill is not specifically known, although at one point there were 100 of 700 in the college student body confined to their rooms with symptoms. There were continually over a six months period between three and six patients hospitalized locally, and it is stated that each active physician averaged at least five patients seen in his office daily with manifestation of the illness.

The illness is characterized by the sudden onset of dizziness, headache, profound myalgia and weakness without fever or nuchal rigidity. The headache is described as not being of great severity but aggravated by stimuli such as noise, light or activity. Dizziness, generally lasting only a few days, has been so severe in some as to result in a total loss of balance. The myalgia is described as migratory involving mainly the muscles of the shoulder, calf and adductor muscles of the thigh.

Neurological findings have almost uniformly revealed markedly exaggerated patellar and achilles tendon reflexes without positive Babinski reflexes. A transitory foot drop was noted in many instances.

Described as a primary problem is the prolonged duration of convalescence with a characteristic pattern of improvement followed in a few days by the recurrence of all symptoms. This has been relieved only with additional periods of restricted bedrest and supportive treatment.

A series of ten spinal fluid determinations have revealed no abnormalities of sugar, protein, cell count or pressure.

No definition of the incubation period or mode of spread of the illness has been possible. Attempts to isolate a possible virus from five spinal fluid and six stool specimens have not yet proved successful. Additional studies are in progress.

The clinical and epidemiological findings are consistent with those described for the group of illnesses termed epidemic neuromyasthenia. This is the first such epidemic reported in this country in over two years. (Submitted by Dr. Norman J. Rose, Bureau of Epidemiology, Illinois Department of Health. Investigated by Dr. Boyd McCracken and Dr. Horton E. Tarpley, Greenville; Dr. W. M. Talbert, Regional Health Officer, Springfield, and Dr. H. J. Shaughnessy, Director of Laboratories, Illinois Department of Health.)

INTERNATIONAL NOTES

Influenza – Philippines

A developing outbreak of influenza in the Philippines is reported through the World Health Organization. The outbreak commenced at the end of May; cases and some deaths are reported from Manila and from Cebu Island, Central Philippines. Specimens have been collected for virus identification.

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED JUNE 18, 1960 AND JUNE 17, 1961

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Poliomyelitis 080										Meningitis, aseptic	Brucellosis (undulant fever)
	Total (Includes cases not specified by type)				Paralytic 080.0,080.1				Nonparalytic			
	24th Week		Cumulative, first 24 weeks		24th Week		Cumulative, first 24 weeks		080.2		340 pt.	044
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1961
UNITED STATES	8	37	202	387	5	31	131	284	1	4	36	11
NEW ENGLAND	-	5	3	20	-	5	3	20	-	-	-	1
Maine	-	-	-	5	-	-	-	5	-	-	-	-
New Hampshire	-	-	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts	-	-	2	6	-	-	2	6	-	-	-	-
Rhode Island	-	5	-	9	-	5	-	9	-	-	-	-
Connecticut	-	-	1	-	-	-	1	-	-	-	-	1
MIDDLE ATLANTIC	2	-	17	41	2	-	14	29	-	-	2	-
New York	1	-	7	33	1	-	6	22	-	-	2	-
New Jersey	-	-	5	6	-	-	4	6	-	-	-	-
Pennsylvania	1	-	5	2	1	-	4	1	-	-	-	-
EAST NORTH CENTRAL	1	5	24	45	1	5	16	18	-	-	4	2
Ohio	1	1	9	20	1	1	5	6	-	-	-	-
Indiana	-	-	3	-	-	-	2	-	-	-	-	-
Illinois	-	3	7	9	-	3	6	7	-	-	1	1
Michigan	-	1	2	13	-	1	2	4	-	-	2	1
Wisconsin	-	-	3	3	-	-	1	1	-	-	1	-
WEST NORTH CENTRAL	-	3	10	21	-	2	5	12	-	1	3	4
Minnesota	-	2	3	10	-	2	3	8	-	-	3	1
Iowa	-	-	2	4	-	-	-	1	-	-	-	3
Missouri	-	-	3	4	-	-	-	3	-	-	-	-
North Dakota	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota	-	-	-	1	-	-	-	-	-	-	-	-
Nebraska	-	-	2	-	-	-	2	-	-	-	-	-
Kansas	-	1	-	2	-	-	-	-	-	1	-	-
SOUTH ATLANTIC	1	4	20	55	1	3	16	44	-	1	1	2
Delaware	-	-	2	-	-	-	1	-	-	-	-	-
Maryland	-	-	-	1	-	-	-	-	-	-	-	-
District of Columbia	-	-	-	-	-	-	-	-	-	-	-	-
Virginia	-	-	-	-	-	-	-	-	-	-	1	1
West Virginia	-	-	3	4	-	-	2	4	-	-	-	-
North Carolina	-	-	4	16	-	-	3	16	-	-	-	-
South Carolina	-	3	2	6	-	2	2	4	-	1	-	-
Georgia	1	-	6	3	1	-	6	2	-	-	-	-
Florida	-	1	3	25	-	1	2	18	-	-	-	1
EAST SOUTH CENTRAL	2	1	20	14	-	-	6	11	-	-	8	1
Kentucky	1	1	15	8	-	-	2	5	-	-	7	-
Tennessee	1	-	2	1	-	-	1	1	-	-	-	1
Alabama	-	-	-	1	-	-	-	1	-	-	-	-
Mississippi	-	-	3	4	-	-	3	4	-	-	1	-
WEST SOUTH CENTRAL	1	1	34	47	1	1	19	32	-	-	2	1
Arkansas	-	-	1	-	-	-	-	-	-	-	-	1
Louisiana	-	-	7	15	-	-	5	11	-	-	-	-
Oklahoma	-	-	-	3	-	-	-	3	-	-	2	-
Texas	1	1	26	29	1	1	14	18	-	-	-	-
MOUNTAIN	-	1	20	21	-	-	12	11	-	-	2	-
Montana	-	-	1	9	-	-	1	5	-	-	1	-
Idaho	-	-	4	4	-	-	1	1	-	-	-	-
Wyoming	-	-	-	1	-	-	-	-	-	-	-	-
Colorado	-	-	3	1	-	-	3	1	-	-	1	-
New Mexico	-	1	1	2	-	-	-	-	-	-	-	-
Arizona	-	-	5	3	-	-	3	3	-	-	-	-
Utah	-	-	6	1	-	-	4	1	-	-	-	-
Nevada	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC	1	17	54	123	-	15	40	107	1	2	14	-
Washington	-	-	8	7	-	-	4	7	-	-	2	-
Oregon	-	4	4	16	-	3	1	11	-	1	-	-
California	1	13	40	94	-	12	33	83	1	1	12	-
Alaska	-	-	-	2	-	-	-	2	-	-	-	-
Hawaii	-	-	2	4	-	-	2	4	-	-	-	-
Puerto Rico	-	36	4	214	-	35	4	210	-	1	-	-

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED JUNE 18, 1960 AND JUNE 17, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

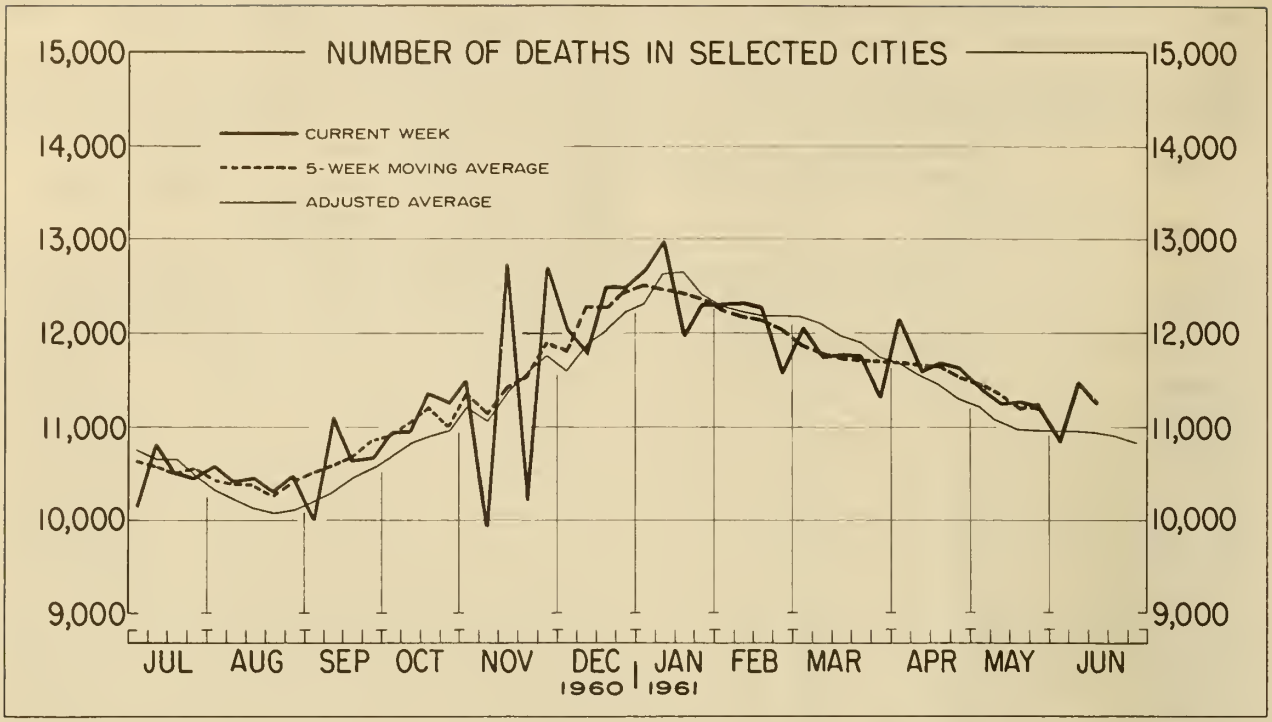
Area	Diphtheria 055				Encephalitis, infectious		Hepatitis, infectious, and serum 092,N998.5 pt.				Measles	
	24th Week		Cumulative, first 24 weeks		082		24th Week		Cumulative, first 24 weeks		085	
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960
UNITED STATES	7	8	298	321	26	35	1,347	599	40,821	18,461	15,038	13,889
NEW ENGLAND	-	-	4	8	1	3	58	13	1,132	558	1,967	1,668
Maine	-	-	-	2	-	-	8	-	69	36	118	52
New Hampshire	-	-	-	-	-	-	1	2	70	20	40	18
Vermont	-	-	-	-	-	-	4	-	125	9	44	205
Massachusetts	-	-	4	5	-	2	26	6	394	280	1,106	1,011
Rhode Island	-	-	-	1	1	1	11	2	158	106	183	103
Connecticut	-	-	-	-	-	-	8	3	316	107	476	279
MIDDLE ATLANTIC	1	1	15	9	3	6	178	51	5,873	1,912	3,323	1,780
New York	-	-	7	1	3	4	82	29	2,408	960	1,608	1,253
New Jersey	-	-	-	1	-	2	42	3	1,457	157	725	359
Pennsylvania	1	1	8	7	-	-	54	19	2,008	795	990	168
EAST NORTH CENTRAL	-	-	13	25	3	5	258	124	8,284	3,533	3,759	5,243
Ohio	-	-	1	14	-	-	73	55	2,921	1,160	1,087	469
Indiana	-	-	1	4	-	2	30	4	1,372	445	125	424
Illinois	-	-	10	3	1	1	43	35	1,384	744	294	832
Michigan	-	-	1	3	2	2	105	30	2,401	1,028	1,337	1,369
Wisconsin	-	-	-	1	-	-	7	-	206	156	916	2,149
WEST NORTH CENTRAL	-	1	24	18	2	2	165	24	4,166	1,448	246	279
Minnesota	-	-	13	5	-	-	45	3	940	146	9	90
Iowa	-	-	1	2	-	2	41	3	1,194	247	118	95
Missouri	-	-	-	2	-	-	33	9	933	533	53	36
North Dakota	-	-	2	1	-	-	6	1	87	113	55	47
South Dakota	-	-	6	5	1	-	1	-	123	114	-	-
Nebraska	-	-	2	1	1	-	10	5	411	143	11	11
Kansas	-	1	-	2	-	-	29	3	478	152	NN	NN
SOUTH ATLANTIC	3	3	60	73	2	5	188	69	4,992	2,186	1,379	712
Delaware	-	-	-	-	-	-	2	7	126	125	27	9
Maryland	-	-	1	1	1	-	5	7	432	221	152	75
District of Columbia	-	-	2	-	-	1	3	-	55	15	7	22
Virginia	-	-	12	8	-	-	41	17	720	447	472	204
West Virginia	-	-	1	2	-	-	20	11	1,030	422	378	179
North Carolina	-	-	7	2	1	1	25	10	1,084	166	115	44
South Carolina	1	-	2	18	-	-	11	.2	283	41	50	26
Georgia	-	2	12	17	-	-	34	1	507	157	5	2
Florida	2	1	23	25	-	3	47	14	755	592	173	151
EAST SOUTH CENTRAL	-	-	12	38	-	2	166	81	6,375	2,825	830	884
Kentucky	-	-	3	1	-	2	62	23	1,885	1,135	252	292
Tennessee	-	-	2	5	-	-	56	26	2,609	915	527	500
Alabama	-	-	5	20	-	-	35	22	1,048	578	37	63
Mississippi	-	-	2	12	-	-	13	10	833	197	14	29
WEST SOUTH CENTRAL	3	2	160	118	2	2	88	57	2,951	1,516	447	823
Arkansas	-	-	3	2	-	-	11	2	579	69	17	1
Louisiana	1	-	15	26	-	-	5	8	289	64	1	4
Oklahoma	-	-	3	6	-	-	1	10	218	215	-	63
Texas	2	2	139	84	2	2	71	37	1,865	1,168	429	755
MOUNTAIN	-	1	7	31	-	1	73	37	2,596	1,544	601	700
Montana	-	-	2	2	-	-	8	-	247	60	39	55
Idaho	-	-	-	11	-	-	5	9	156	196	56	54
Wyoming	-	-	-	5	-	-	4	-	96	12	25	2
Colorado	-	-	4	3	-	-	25	13	905	528	214	320
New Mexico	-	1	-	4	-	1	5	4	297	228	NN	-
Arizona	-	-	-	3	-	-	14	5	371	356	240	142
Utah	-	-	-	3	-	-	11	6	444	144	26	120
Nevada	-	-	1	-	-	-	1	-	80	20	1	7
PACIFIC	-	-	3	1	13	9	173	143	4,452	2,939	2,486	1,800
Washington	-	-	-	-	1	-	15	19	567	356	260	345
Oregon	-	-	-	-	1	-	27	18	758	519	208	351
California	-	-	-	-	11	9	130	96	2,952	1,881	2,009	977
Alaska	-	-	3	1	-	-	-	10	140	131	5	78
Hawaii	-	-	-	-	-	-	1	-	35	52	4	49
Puerto Rico	1	1	37	89	-	-	29	8	458	412	23	23

NN=Not Notifiable

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED JUNE 18, 1960 AND JUNE 17, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Malaria 110-117	Meningoccocal infections 057		Psittacosis 096.2	Streptococcal sore throat, etc. 050,051	Typhoid fever 040				Typhus fever, endemic 101	Rabies in animals	
						24th Week		Cumulative, first 24 weeks				
	1961	1961	1960	1961	1961	1961	1960	1961	1960	1961	1961	1960
UNITED STATES	-	35	38	3	3,940	15	17	253	261	-	60	80
NEW ENGLAND	-	3	1	-	305	-	-	6	4	-	-	-
Maine	-	-	-	-	20	-	-	1	1	-	-	-
New Hampshire	-	-	-	-	5	-	-	-	-	-	-	-
Vermont	-	-	-	-	5	-	-	-	-	-	-	-
Massachusetts	-	2	-	-	98	-	-	1	2	-	-	-
Rhode Island	-	-	-	-	18	-	-	1	-	-	-	-
Connecticut	-	1	1	-	159	-	-	3	1	-	-	-
MIDDLE ATLANTIC	-	8	5	1	460	1	-	27	14	-	-	8
New York	-	5	3	-	306	-	-	11	11	-	-	8
New Jersey	-	-	1	-	66	1	-	6	-	-	-	-
Pennsylvania	-	3	1	1	88	-	-	10	3	-	-	-
EAST NORTH CENTRAL	-	6	10	-	575	2	2	33	31	-	6	8
Ohio	-	4	3	-	80	2	1	11	5	-	2	-
Indiana	-	-	-	-	65	-	-	5	9	-	2	3
Illinois	-	-	1	-	70	-	1	15	8	-	1	3
Michigan	-	1	4	-	229	-	-	1	5	-	1	1
Wisconsin	-	1	2	-	131	-	-	1	4	-	-	1
WEST NORTH CENTRAL	-	-	-	-	90	1	2	18	16	-	20	21
Minnesota	-	-	-	-	4	-	-	5	1	-	1	3
Iowa	-	-	-	-	20	-	-	1	-	-	7	5
Missouri	-	-	-	-	5	1	2	9	13	-	9	8
North Dakota	-	-	-	-	31	-	-	-	-	-	-	-
South Dakota	-	-	-	-	-	-	-	1	1	-	3	-
Nebraska	-	-	-	-	-	-	-	-	1	-	-	5
Kansas	-	-	-	-	30	-	-	2	-	-	-	-
SOUTH ATLANTIC	-	3	11	-	322	1	4	40	35	-	6	5
Delaware	-	-	1	-	3	-	-	-	-	-	-	-
Maryland	-	-	-	-	8	-	-	-	-	-	-	-
District of Columbia	-	-	-	-	4	-	-	6	1	-	-	-
Virginia	-	-	2	-	53	-	1	1	5	-	4	4
West Virginia	-	-	-	-	88	-	1	4	2	-	-	1
North Carolina	-	1	3	-	14	-	-	6	7	-	1	-
South Carolina	-	1	-	-	18	-	-	2	6	-	-	-
Georgia	-	-	-	-	-	-	1	15	7	-	-	-
Florida	-	1	5	-	134	1	1	6	7	-	1	-
EAST SOUTH CENTRAL	-	2	5	-	755	-	3	27	43	-	6	17
Kentucky	-	1	2	-	68	-	1	6	12	-	-	9
Tennessee	-	1	2	-	663	-	2	19	22	-	5	7
Alabama	-	-	1	-	1	-	-	2	6	-	1	1
Mississippi	-	-	-	-	23	-	-	-	3	-	-	-
WEST SOUTH CENTRAL	-	4	2	1	64	7	6	51	82	-	14	20
Arkansas	-	1	-	-	2	2	-	6	18	-	-	12
Louisiana	-	2	1	-	1	-	5	5	24	-	1	-
Oklahoma	-	-	-	-	2	-	-	5	5	-	-	-
Texas	-	1	1	1	59	5	1	35	35	-	13	8
MOUNTAIN	-	2	1	1	942	2	-	23	17	-	2	-
Montana	-	-	-	-	15	-	-	3	5	-	-	-
Idaho	-	-	-	-	69	-	-	-	-	-	-	-
Wyoming	-	-	-	1	-	-	-	1	2	-	-	-
Colorado	-	1	-	-	282	-	-	5	-	-	-	-
New Mexico	-	-	-	-	278	1	-	6	4	-	1	-
Arizona	-	-	1	-	213	1	-	5	6	-	1	-
Utah	-	-	-	-	84	-	-	2	-	-	-	-
Nevada	-	1	-	-	1	-	-	1	-	-	-	-
PACIFIC	-	7	3	-	427	1	-	28	19	-	6	1
Washington	-	1	-	-	106	-	-	3	1	-	-	-
Oregon	-	-	-	-	19	-	-	-	-	-	-	-
California	-	6	3	-	286	1	-	25	18	-	6	1
Alaska	-	-	-	-	15	-	-	-	-	-	-	-
Hawaii	-	-	-	-	1	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	-	-	-	8	16	-	2	-



The chart shows the number of deaths reported for 117 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week, and an adjusted average for comparison. For each region the adjusted average was computed as follows: From the total deaths reported each week for the years 1956-1960, 3 central figures were selected by eliminating the highest and lowest figure reported for that week. A 5-week moving average of the arithmetic mean of the 3 central figures was then computed with adjustment to allow for population growth in each region. The average value of the regional increases was 2 percent which was incorporated in the adjusted average shown in the chart.

Table 4 shows the number of death certificates received during the week indicated for deaths that occurred in selected cities. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week, an estimate is used.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence and week of filing certificate. Excludes fetal deaths. Data exclude figures shown in parentheses in table 4)

Area	24th week ended June 17, 1961	23rd week ended June 10, 1961	Adjusted average, 24th week 1956-60	Percent change, adjusted average to current week	Cumulative, first 24 weeks		
					1961	1960	Percent change
TOTAL, 117 REPORTING CITIES	11,247	11,485	10,925	+2.9	282,992	291,415	-2.9
New England (14 cities)	727*	712	647	+12.4	17,522	18,308	-4.3
Middle Atlantic (20 cities)	3,164	3,175	3,007	+5.2	81,174	80,510	+0.8
East North Central (21 cities)	2,529	2,596	2,340	+8.1	60,509	62,562	-3.3
West North Central (9 cities)	731*	777	784	-6.8	19,046	20,334	-6.3
South Atlantic (11 cities)	1,014	975	924	+9.7	24,364	25,398	-4.1
East South Central (8 cities)	470	517	483	-2.7	12,856	13,356	-3.7
West South Central (13 cities)	910	956	1,000	-9.0	24,068	25,625	-6.1
Mountain (8 cities)	303	353	348	-12.9	8,880	9,067	-2.1
Pacific (13 cities)	1,399*	1,424	1,392	+0.5	34,573	36,255	-4.6

*Includes estimate for missing reports.

Table 4. DEATHS IN SELECTED CITIES

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	24th week ended June 17, 1961	23rd week ended June 10, 1961	Cumulative, first 24 weeks 1961	Cumulative, first 24 weeks 1960
NEW ENGLAND:				
Boston, Mass.	220	245	5,971	6,403
Bridgeport, Conn.	48	36	936	1,057
Cambridge, Mass.	23	23	733	786
Fall River, Mass.	28*	32	671	734
Hartford, Conn.	42	41	1,169	1,174
Lowell, Mass.	38	30	613	602
Lynn, Mass.	14	25	559	618
New Bedford, Mass.	27	25	655	622
New Haven, Conn.	51	41	1,159	1,113
Providence, R.I.	80	71	1,535	1,617
Somerville, Mass.	12	15	324	361
Springfield, Mass.	57	44	1,134	1,163
Waterbury, Conn.	25	32	679	695
Worcester, Mass.	62	52	1,384	1,363
MIDDLE ATLANTIC:				
Albany, N.Y.	36	39	1,125	1,100
Allentown, Pa.	30	34	853	907
Buffalo, N.Y.	143	170	3,621	3,697
Camden, N.J.	42	56	1,066	1,094
Elizabeth, N.J.	28	40	725	724
Erie, Pa.	38	39	958	960
Jersey City, N.J.	71	54	1,737	1,777
Newark, N.J.	90	99	2,537	2,430
New York City, N.Y.	1,605	1,621	41,561	40,928
Paterson, N.J.	50	56	980	982
Philadelphia, Pa.	464	458	12,676	12,316
Pittsburgh, Pa.	226	159	4,731	4,863
Reading, Pa.	32	27	553	605
Rochester, N.Y.	97	88	2,453	2,498
Schenectady, N.Y.	24	22	597	595
Scranton, Pa.	31	31	872	962
Syracuse, N.Y.	59	74	1,506	1,561
Trenton, N.J.	49	47	1,124	1,049
Utica, N.Y.	24	39	714	695
Yonkers, N.Y.	25	22	785	767
EAST NORTH CENTRAL:				
Akron, Ohio	60	77	1,390	1,407
Canton, Ohio	32	48	782	869
Chicago, Ill.	761	760	18,332	19,186
Cincinnati, Ohio	159	164	3,855	3,950
Cleveland, Ohio	219	201	5,047	5,376
Columbus, Ohio	97	118	2,771	3,007
Dayton, Ohio	79	68	1,988	1,782
Detroit, Mich.	362	375	8,277	8,615
Evansville, Ind.	33	37	902	918
Flint, Mich.	51	40	1,071	990
Fort Wayne, Ind.	26	32	947	926
Gary, Ind.	24	31	738	787
Grand Rapids, Mich.	55	53	1,111	1,047
Indianapolis, Ind.	139	150	3,579	3,682
Madison, Wis.	48	44	801	810
Milwaukee, Wis.	122	132	3,015	3,133
Peoria, Ill.	36	33	721	731
Rockford, Ill.	27	35	698	720
South Bend, Ind.	31	26	699	720
Toledo, Ohio	101	106	2,392	2,510
Youngstown, Ohio	67	66	1,393	1,396
WEST NORTH CENTRAL:				
Des Moines, Iowa	52	58	1,281	1,406
Duluth, Minn.	21	26	615	652
Kansas City, Kans.	31	42	921	876
Kansas City, Mo.	117*	131	3,108	3,243
Lincoln, Nebr.	(26)	(21)	(672)	(635)
Minneapolis, Minn.	81	118	2,953	3,085
Omaha, Nebr.	62	70	1,656	1,863
WEST NORTH CENTRAL—Con.:				
St. Louis, Mo.	263	210	5,786	6,293
St. Paul, Minn.	60	72	1,626	1,785
Wichita, Kans.	44	50	1,100	1,131
SOUTH ATLANTIC:				
Atlanta, Ga.	91	118	2,815	2,949
Baltimore, Md.	236	274	6,102	6,484
Charlotte, N.C.	38	38	869	1,024
Jacksonville, Fla.	72	48	1,426	1,580
Miami, Fla.	87	55	1,840	1,841
Norfolk, Va.	59	45	1,226	1,034
Richmond, Va.	66	89	1,946	2,005
Savannah, Ga.	34	24	813	915
St. Petersburg, Fla.	(66)	(61)	(1,779)	(1,867)
Tampa, Fla.	74	65	1,641	1,708
Washington, D.C.	216	181	4,742	4,894
Wilmington, Del.	41	38	944	964
EAST SOUTH CENTRAL:				
Birmingham, Ala.	89	80	2,134	2,183
Chattanooga, Tenn.	47	40	1,185	1,185
Knoxville, Tenn.	24	30	681	741
Louisville, Ky.	107	107	2,787	2,883
Memphis, Tenn.	96	126	2,868	2,887
Mobile, Ala.	31	37	1,006	1,065
Montgomery, Ala.	19	38	770	896
Nashville, Tenn.	57	59	1,425	1,516
WEST SOUTH CENTRAL:				
Austin, Tex.	33	44	845	893
Baton Rouge, La.	15	16	694	733
Corpus Christi, Tex.	15	28	563	615
Dallas, Tex.	120	137	3,029	3,162
El Paso, Tex.	27	40	877	950
Fort Worth, Tex.	64	46	1,613	1,701
Houston, Tex.	168	143	4,024	4,247
Little Rock, Ark.	61	63	1,365	1,488
New Orleans, La.	174	151	4,093	4,627
Oklahoma City, Okla.	51	75	1,851	1,876
San Antonio, Tex.	96	99	2,516	2,581
Shreveport, La.	47	48	1,260	1,351
Tulsa, Okla.	39	66	1,338	1,401
MOUNTAIN:				
Albuquerque, N. Mex.	28	25	743	744
Colorado Springs, Colo.	14	20	398	418
Denver, Colo.	101	111	2,762	2,989
Ogden, Utah	15	11	383	428
Phoenix, Ariz.	71	89	2,038	1,965
Pueblo, Colo.	17	16	409	382
Salt Lake City, Utah	40	49	1,199	1,217
Tucson, Ariz.	17	32	948	924
PACIFIC:				
Berkeley, Calif.	19	19	414	420
Fresno, Calif.	(41)	(52)	(1,070)	(1,149)
Glendale, Calif.	(31)	(34)	(807)	(954)
Honolulu, Hawaii	39	30	968	1,032
Long Beach, Calif.	56	53	1,400	1,366
Los Angeles, Calif.	481	492	12,276	12,977
Oakland, Calif.	90	82	2,309	2,425
Pasadena, Calif.	31	37	817	865
Portland, Oreg.	107	119	2,591	2,740
Sacramento, Calif.	68	66	1,496	1,444
San Diego, Calif.	113	79	2,189	2,249
San Francisco, Calif.	191	228	4,832	5,005
San Jose, Calif.	(25)	(34)	(849)	(832)
Seattle, Wash.	125	142	3,204	3,508
Spokane, Wash.	38	46	1,100	1,154
Tacoma, Wash.	41*	31	977	1,070
San Juan, P. R.	(22)	(32)	(865)	(845)

*Estimate - based on average percentage of divisional total.

() Figures shown in parenthesis are from cities which have been reporting less than five years and hence are not included in Table 3.

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HEPATITIS CASES BY AGE
WEEK ENDING JUNE 17, 1961

State or Area	Under 20 Years	20 Years and Over	Age Unspecified	Total
NEW ENGLAND	34	18	6	58
Maine	5	3	–	8
New Hampshire	–	1	–	1
Vermont	1	3	–	4
Massachusetts	20	6	–	26
Rhode Island	4	1	6	11
Connecticut	4	4	–	8
MIDDLE ATLANTIC	76	102	–	178
New York City	6	20	–	26
New York	28	28	–	56
New Jersey	11	31	–	42
Pennsylvania	31	23	–	54
EAST NORTH CENTRAL	118	74	66	258
Ohio	48	22	3	73
Indiana	12	18	–	30
Illinois	14	7	22	43
Michigan	44	27	34	105
Wisconsin	–	–	7	7
WEST NORTH CENTRAL	96	61	8	165
Minnesota	27	17	1	45
Iowa	23	18	–	41
Missouri	24	9	–	33
North Dakota	2	4	–	6
South Dakota	–	–	1	1
Nebraska	2	2	6	10
Kansas	18	11	–	29
SOUTH ATLANTIC	109	61	18	188
Delaware	–	–	2	2
Maryland	2	3	–	5
District of Columbia	3	–	–	3
Virginia	27	14	–	41
West Virginia	14	6	–	20
North Carolina	16	9	–	25
South Carolina	–	1	10	11
Georgia	20	12	2	34
Florida	27	16	4	47
EAST SOUTH CENTRAL	133	18	15	166
Kentucky	58	2	2	62
Tennessee	43	13	–	56
Alabama	32	3	–	35
Mississippi	–	–	13	13
WEST SOUTH CENTRAL	40	44	4	88
Arkansas	8	3	–	11
Louisiana	2	3	–	5
Oklahoma	–	1	–	1
Texas	30	37	4	71
MOUNTAIN	18	13	42	73
Montana	5	3	–	8
Idaho	–	–	5	5
Wyoming	3	1	–	4
Colorado	1	2	22	25
New Mexico	3	2	–	5
Arizona	–	–	14	14
Utah	6	5	–	11
Nevada	–	–	1	1
PACIFIC	66	97	10	173
Washington	2	8	5	15
Oregon	12	13	2	27
California	52	75	3	130
Alaska	–	–	–	0
Hawaii	–	1	–	1
UNITED STATES	690	488	169	1,347
Puerta Rica	–	–	29	29

SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from the health departments of each State and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Total figures for the United States and the Pacific Division include data for the States of Alaska and Hawaii. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting these diseases. When diseases of rare occurrence are reported by a State (cholera, dengue, plague, louse-borne relapsing fever, smallpox, louse-borne epidemic typhus, and yellow fever) this is noted below table 1.

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